

ABSTRACT OF THE DISCLOSURE

A lightguide having either a built-in prism sheet or a built-in diffuser sheet is disclosed. The lightguide includes: a prism sheet having a plane surface and a surface with a plurality of patterned microlens; a transparent wedge having a cross-section of trapezoid; and a binder layer sandwiched between said plane surface of said prism sheet and said transparent wedge. A method for manufacturing the lightguide is also disclosed here.